Index of Claims

| A 15  |       |     | A     |       |     |
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| Appli | ıcatı | onv | Conti | 'OI I | NO. |
|       |       |     |       |       |     |

10/681,730

Examiner

Nicholas Augustine

Applicant(s)/Patent under Reexamination

MURALIDHARAN ET AL.

**Art Unit** 

2179

| 1 | Rejected |
|---|----------|
| 1 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |   |          | _        |            |          |          | J      |          | Щ.       | <u> </u>      |  |
|----------|---|----------|----------|------------|----------|----------|--------|----------|----------|---------------|--|
| Cla      | im  | Date     |          |            |          |          |        |          |          |               |  |
|          |   | $\vdash$ | Г        |            | T.       | <u> </u> | ÍΤ     | Г        | Ι        | П             |  |
| <u>a</u> | Original  | 9/21/06  |          |            |          |          |        |          |          |               |  |
| Final    | ]<br>  <u>:</u>   | 21       |          |            |          |          |        |          |          |               |  |
| -        | 0   | 6        |          |            |          |          |        |          |          |               |  |
|          | 1   | 1        |          | $\vdash$   | $\vdash$ | ┢        | ┢      | Н        | $\vdash$ | Н             |  |
|          | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25 |          |          |            | Т        | $\vdash$ |        |          | $\vdash$ | Н             |  |
|          | 3   | 1        | $\vdash$ |            |          | $\vdash$ |        | $\vdash$ |          | Н             |  |
|          | 4   | 1        |          |            |          | ┌        |        | Т        |          | П             |  |
|          | 5   | 1        |          | Г          |          |          |        |          |          | П             |  |
|          | 6   | 1        |          |            |          |          |        |          |          | П             |  |
|          | 7   | 1        |          |            |          | Г        |        |          |          | П             |  |
|          | 8   | 1        |          |            |          | Г        |        |          |          | П             |  |
|          | 9   | 1        |          |            |          |          |        |          |          |               |  |
|          | 10  | 1        |          |            |          |          |        |          |          |               |  |
|          | 11  | ٧        |          |            |          |          |        |          |          |               |  |
|          | 12  | 1        |          |            |          |          |        |          |          |               |  |
|          | 13  | 4        |          |            |          | L        |        | L        | <u> </u> |               |  |
|          | 14  | 1        |          |            | L        | <u> </u> |        | L        | L        | Щ             |  |
|          | 15  | 1        | _        |            |          | L        |        |          |          | Щ             |  |
|          | 16  | 1        | _        |            |          | L.       |        | _        | _        |               |  |
|          | 17  | 1        |          |            | L        |          |        |          |          | Ш             |  |
|          | 18  | 1        | L        |            | _        | L_       |        | _        | _        |               |  |
|          | 19  | 1        |          |            |          | <u> </u> |        |          | L        | Ш             |  |
|          | 20  | 1        | _        |            |          | <u> </u> |        | _        | <u> </u> | Щ             |  |
|          | 21  | 1        | _        | <u> </u>   | _        | <u> </u> | _      | _        | _        | Ш             |  |
|          | 22  | Į,       | _        | ldash      | _        | _        | _      |          | _        | Щ             |  |
|          | 23  | 1        |          | lacksquare | _        | L        |        |          | _        | Щ.            |  |
|          | 24  | 7        | _        |            |          | _        |        |          | _        | Н             |  |
|          | 25  | 7        | _        | _          |          | H        | H      |          | _        | Н             |  |
|          | 26<br>27<br>28  | 7        | _        |            |          | _        |        | _        | <u> </u> | ${\mathbb H}$ |  |
|          | 20  | 1        | ┝        |            | -        | H        |        | <u> </u> | H        | Н             |  |
|          | 20  | 7        | -        |            | _        | H        |        | H        | H        | Н             |  |
|          | 29<br>30  | 7        | -        | _          | <u> </u> | $\vdash$ |        | -        | $\vdash$ | $\dashv$      |  |
| _        | 31  | 1        | <u> </u> | -          | _        | $\vdash$ | _      | -        |          | Н             |  |
|          | 31<br>32<br>33  | 1        | _        |            | -        | $\vdash$ | -      |          |          |               |  |
| -        | 33  | J        | $\vdash$ | _          | -        |          | -      |          | _        | $\vdash$      |  |
|          | 34  | V        |          |            | -        | -        |        |          | -        |               |  |
|          | 35  | Ì        |          |            |          |          | _      | _        |          |               |  |
|          | 34<br>35<br>36<br>37  | H        | _        |            |          |          |        |          |          | _             |  |
|          | 37  | П        |          |            |          |          |        | $\vdash$ |          | $\neg$        |  |
|          | 38  |          |          | _          |          |          | _      |          |          | П             |  |
|          | 39<br>40  |          |          |            |          |          |        |          |          |               |  |
|          | 40  |          |          |            |          |          |        |          |          |               |  |
|          | 41  |          |          |            |          |          |        |          |          |               |  |
|          | 42  |          |          |            |          |          |        |          |          |               |  |
|          | 43  |          |          |            |          |          |        |          |          |               |  |
|          | 44  |          |          |            |          |          |        |          |          |               |  |
|          | 45  |          |          |            |          |          |        |          |          |               |  |
|          | 46  |          |          |            |          |          |        |          |          |               |  |
|          | 47  |          |          |            |          |          |        |          |          | Ш             |  |
|          | 48  | Щ        | Щ        |            |          | Ш        | $\Box$ | _        | Ш        | Ш             |  |
| ]        | 49  | Ш        |          |            |          |          |        |          | L        | Ш             |  |
| 1        | 50  |          |          |            | 1 1      |          | 1 ]    | ı        |          | . 1           |  |

| la      | im       | Γ        |   |  |          | Dat | <u>—</u> |   | _ |          | 1   | Cla     | im       |          |        |      | Date | е |   | _      |        |
|---------|----------|----------|---|--|----------|-----|----------|---|---|----------|-----|---------|----------|----------|--------|------|------|---|---|--------|--------|
| T       |          | <u></u>  | Γ |  |          |     |          |   |   | Γ        |     |         |          | П        |        |      |      |   | Γ |        |        |
|         | Original | 9/21/06  |   |  |          |     |          |   |   |          |     | Final   | Original |          |        |      |      |   |   |        |        |
|         | Ę        | 2        |   |  |          |     |          |   |   |          |     | ᇤ       | Ç        |          |        |      |      |   |   |        |        |
|         |          |          |   | L  |          | L   | L        |   |   |          |     |         |          |          |        |      |      |   |   |        |        |
|         | 1        | 1        |   |  |          |     |          |   |   |          |     |         | 51       |          |        |      |      |   |   |        |        |
|         | 2        | 1        |   |  |          |     | <u> </u> |   | _ |          |     |         | 52       |          |        |      |      |   |   |        |        |
|         | 3        | 1        |   | $ldsymbol{ld}}}}}}$ |          |     |          |   |   | L        |     |         | 53_      |          |        |      |      |   |   |        |        |
|         | 4        | 1        |   | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}$  |          | L   |          |   |   | L_       |     |         | 54       |          |        |      |      |   |   |        |        |
|         | 5        | 1        |   | L  | 乚        | L   | <u> </u> |   |   | L        |     |         | 55       | Ш        |        |      |      |   |   |        | Ш      |
|         | 6        | 1        |   | _  | L        |     | 乚        | L |   | _        | ]   |         | 56       | Ш        |        |      |      |   |   |        |        |
| $\perp$ | 7        | 1        |   | L  | 乚        | 匚   | _        | L | L | _        |     |         | 57       | Ш        |        |      |      |   |   |        | Ш      |
|         | 8        | √        |   | L  | 乚        |     | _        |   | L | L        |     |         | 58       | Ш        |        |      | _    |   |   |        |        |
|         | 9        | 1        |   |  | L        |     |          |   |   |          |     |         | 59       | Ш        |        |      |      |   |   |        |        |
|         | 10       | 1        |   |  | L        | L   | L        |   |   |          |     |         | 60       | Ш        |        |      |      |   |   |        |        |
|         | 11       | ٧        |   | L  | <u> </u> | L   |          |   |   | <u> </u> |     |         | 61       | $\Box$   |        |      |      |   |   |        |        |
|         | 12       | 1        |   |  |          | L   | L        |   |   | L_       |     |         | 62       |          |        |      |      |   |   |        |        |
|         | 13       | <b>V</b> |   | L  |          |     |          |   |   | L        |     |         | 63       |          |        |      |      |   |   |        |        |
|         | 14       | √.       |   |  |          |     |          |   |   |          |     |         | 64       |          |        |      |      |   |   |        |        |
| $\Box$  | 15       | 1        |   |  |          |     |          |   |   |          |     |         | 65       |          |        |      |      |   |   |        |        |
|         | 16       | 1        |   |  |          |     |          |   |   |          |     |         | 66       |          |        |      |      |   |   |        |        |
|         | 17       | 1        |   |  |          |     |          |   |   |          |     |         | 67       |          |        |      |      |   |   |        |        |
| floor   | 18       | 1        |   |  |          |     |          |   |   |          |     |         | 68       |          |        |      |      |   |   |        |        |
| T       | 19       | 1        | Г | П  |          |     |          |   |   |          |     |         | 69       |          |        |      |      | , |   |        |        |
| T       | 20       | 1        |   |  |          |     |          |   |   |          |     |         | 70       | П        |        |      |      |   |   |        |        |
| Т       | 21       | 1        |   |  |          |     |          |   |   |          |     |         | 71       |          |        |      |      |   |   |        |        |
| T       | 22       | 1        |   |  |          | Γ.  | Γ        |   |   |          | ]   |         | 72       |          |        |      |      |   |   |        |        |
| ٦       | 23       | √        |   |  |          |     |          |   |   |          | ]   |         | 73       |          |        |      |      |   |   |        |        |
| 7       | 24       | √        |   | П  |          |     | Г        |   |   |          | 1   |         | 74       |          |        |      |      |   |   |        |        |
| 7       | 25       | 1        |   |  |          |     |          |   |   |          | 1 1 |         | 75       |          |        |      |      |   |   |        |        |
| 1       | 26       | 1        | Г |  |          |     |          |   |   |          | 1   |         | 76       |          | $\neg$ |      |      |   |   |        |        |
| 7       | 27       | 1        |   |  |          |     |          |   |   |          | 1   |         | 77       |          |        |      |      |   |   |        |        |
| T       | 28       | 1        | П |  |          |     |          |   |   |          |     |         | 78       |          |        |      |      |   |   |        |        |
| 7       | 29       | 7        |   |  |          |     |          |   |   |          | 1   |         | 79       |          |        |      |      |   |   |        |        |
| 7       | 30       | 7        |   |  |          |     |          |   |   |          | 1   |         | 80       |          |        |      |      |   |   |        |        |
| 7       | 31       | 1        |   |  |          |     |          |   | _ |          | 1   |         | 81       |          |        |      |      |   |   |        |        |
| 7       | 32       | 1        |   |  |          |     |          |   |   |          | 1   |         | 82       |          | T      |      |      |   |   |        |        |
| 7       | 33       | 1        |   |  |          |     |          |   |   |          | 1   |         | 83       |          |        |      |      |   |   |        |        |
| ┪       | 34       | 1        |   |  |          |     |          |   |   |          | 1   |         | 84       |          | T      |      |      |   |   |        |        |
| ヿ       | 35       | 1        |   |  |          |     |          |   |   |          | 1   |         | 85       | П        |        |      |      |   |   |        |        |
| 7       | 36       |          |   |  |          | П   |          |   |   |          |     |         | 86       | П        |        |      |      |   |   |        |        |
| 1       | 37       |          |   |  |          | Г   |          |   |   |          |     |         | 87       | П        |        |      |      |   |   |        |        |
| 7       | 38       |          |   |  |          |     |          |   |   |          |     |         | 88       | П        | $\neg$ |      |      |   |   |        |        |
| 7       | 39       |          |   |  | $\Box$   | Г   |          |   |   |          |     |         | 89       | $\Box$   | $\neg$ |      |      |   |   |        |        |
| 7       | 40       |          |   |  |          |     |          |   |   |          | 1   |         | 90       |          |        |      |      |   |   |        |        |
| 1       | 41       |          |   |  | П        |     | Г        |   |   |          |     |         | 91       | П        |        |      |      |   |   |        |        |
| 1       | 42       |          |   |  |          |     |          |   |   |          |     |         | 92       |          |        |      |      |   |   |        |        |
| 7       | 43       |          |   |  | П        | Г   | _        | _ |   |          | 1 1 |         | 93       | П        | $\neg$ |      |      |   | П | $\Box$ | $\Box$ |
| 7       | 44       |          |   |  | П        | Г   | Г        |   |   | Г        |     |         | 94       | $\sqcap$ | ヿ      |      |      |   |   |        |        |
| 7       | 45       |          |   |  | Г        | Г   |          |   |   |          |     |         | 95       |          | $\neg$ |      |      |   |   |        |        |
| 1       | 46       |          |   |  | П        |     | Т        |   |   |          |     |         | 96       | $\sqcap$ |        |      |      |   |   | П      |        |
| 1       | 47       |          |   |  |          |     |          |   |   |          |     |         | 97       | $\Box$   |        |      |      |   |   |        |        |
| 1       | 48       |          |   | Г  |          |     |          |   |   |          | 1   |         | 98       | П        | $\neg$ |      |      |   |   |        |        |
| 7       | 49       |          |   |  | Г        | Г   | $\vdash$ | Т |   | Г        | 1   |         | 99       | П        |        |      |      |   |   |        |        |
| 7       | 50       |          | П |  | _        |     |          |   | _ |          |     |         | 100      | $\vdash$ |        |      |      |   |   |        |        |
| _       |          |          |   | _  | ٠        |     | _        |   |   |          | , , | ــــــا |          | ш-       |        | <br> |      | _ |   |        |        |

| CI   | aim                                    | Date         |              |  |                |                    |          |                    |  |          |
|--|--|--------------|--------------|--|----------------|--------------------|----------|--------------------|--|----------|
|  | l .                                    | Г            |              | Γ  |                |                    |          |                    | Π  |          |
| <u></u>  | Original                               |              |              |  | 1              |                    |          |                    | l  |          |
| Final  | Ē                                      | Ι.           | İ            |  |                |                    |          |                    | l  |          |
|  | 0                                      |              |              |  |                |                    |          | l                  | l  |          |
|  | 101                                    |              |              |  |                |                    |          |                    | Г  | П        |
|  | 101<br>102                             |              |              |  |                |                    |          |                    |  |          |
|  | 103                                    |              |              |  |                |                    |          |                    |  |          |
| <u> </u>   | 104                                    |              |              | П  |                |                    |          |                    | Г  | П        |
|  | 103<br>104<br>105<br>106               |              |              |  |                | Г                  |          |                    | Г  |          |
|  | 106                                    |              |              |  |                |                    |          |                    |  |          |
|  | 107                                    |              |              |  |                |                    |          |                    |  |          |
|  | 108                                    |              |              |  |                |                    |          |                    |  |          |
|  | 109<br>110                             |              |              |  |                |                    |          |                    |  |          |
|  | 110                                    |              |              |  |                |                    |          |                    |  |          |
|  | 111                                    |              |              |  |                |                    |          |                    |  |          |
|  | 112                                    |              |              |  |                |                    |          |                    |  |          |
|  | 113                                    |              | 匚            | 匚  | $\Box$         | $\Box$             | $\Box$   |                    | $\Box$   | Ш        |
|  | 111<br>112<br>113<br>114<br>115        |              |              |  |                |                    |          |                    |  | Ш        |
|  | 115                                    |              | <u> </u>     | <u> </u>   | L              | $oxedsymbol{oxed}$ | <u> </u> | $oxedsymbol{oxed}$ | _  | Ш        |
|  | l 116                                  |              |              |  |                | L                  |          | L                  | _  | Ш        |
|  | 117                                    |              |              |  |                | L                  |          |                    | _  | Ш        |
|  | 118                                    |              |              |  |                |                    |          |                    | 匚  | Ш        |
|  | 117<br>118<br>119                      |              |              | <u> </u>   |                |                    |          |                    | $oxed{oxed}$                                     |          |
|  | 120                                    |              |              |  |                |                    |          | L                  | $oxed{oxed}$                                     |          |
|  | 120<br>121                             |              |              | <u> </u>   |                | L                  | _        | <u> </u>           | 匚  | Щ        |
|  | 122                                    | L            | _            | 匚  |                | <u>_</u>           |          | _                  | L  |          |
|  | 122<br>123<br>124                      | _            | _            | L  | L              | <u> </u>           | _        |                    |  | Щ        |
| L  | 124                                    |              | _            | L  |                | _                  | _        |                    | _  | _        |
|  | 125<br>126<br>127<br>128<br>129<br>130 |              |              | <u> </u>   | L              | <u> </u>           | _        | <u> </u>           | L  | Ш        |
|  | 126                                    | <u> </u>     | _            | ļ  |                |                    | _        | _                  | _  |          |
| <u> </u>   | 127                                    | $oxed{oxed}$ | _            | <u> </u>   |                | Ш                  | <u> </u> | _                  | ╙  | Ц        |
|  | 128                                    | <u> </u>     | <u> </u>     | ļ  | _              | $\vdash$           | ┡        |                    | <u> </u>   | Н        |
| ļ  | 129                                    | _            |              | ┡  |                |                    | ┡        | _                  | <u> </u>   | Н        |
|  | 130                                    |              |              | <u> </u>   |                |                    | L        |                    | <u> </u>   | Щ        |
|  | 131                                    |              |              | _  |                |                    | <u> </u> | _                  | <u> </u>   | $\dashv$ |
| ├  | 132                                    |              | _            | ⊢  |                | _                  |          | _                  | -  | $\vdash$ |
| <u> </u>   | 133<br>134                             | $\vdash$     | <u> </u>     | ⊢  | ├              | <u> </u>           | $\vdash$ | <u> </u>           | <u> </u>   | Н        |
| <u> — </u>                                       | 134                                    | ├            | <u> </u>     | ├  |                | $\vdash$           | -        | ├-                 | <del> </del>                                     | Н        |
| <u> </u>   | 135                                    |              | <u> </u>     | ├  | $\vdash$       | $\vdash$           | $\vdash$ | H                  | $\vdash$   | Н        |
| <u> </u>   | 136<br>137                             | $\vdash$     | -            | ├  | $\vdash$       | $\vdash$           |          |                    |  | Н        |
|  | 137                                    | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$           | -        | $\vdash$           | -  | Н        |
| <del> </del>                                     | 138<br>139                             | $\vdash$     | <del> </del> | $\vdash$   | ┝              | -                  |          |                    |  | $\dashv$ |
| $\vdash$   | 140                                    | ┢            | $\vdash$     | ┢  | $\vdash$       | $\vdash$           | $\vdash$ | $\vdash$           | _  | Н        |
| <del> </del>                                     | 141                                    | ┝            | $\vdash$     | $\vdash$   | Η-             | $\vdash$           | $\vdash$ | $\vdash$           | $\vdash$   | Н        |
| <b> </b>   | 142                                    | $\vdash$     | ┢            | ├  | $\vdash$       | Н                  | $\vdash$ | Н                  | _  | Н        |
| <b></b> -  | 143                                    | $\vdash$     | $\vdash$     | <del>                                     </del> | $\vdash$       | $\vdash$           | $\vdash$ | H                  | -  | Н        |
| <del> </del>                                     | 144                                    | Н            | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$           | $\vdash$ |                    | <del>                                     </del> | Н        |
|  | 145                                    | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$           | H        | Н                  |  | Н        |
|  | 146                                    | ┢            | -            | $\vdash$   | $\vdash$       | $\vdash$           | $\vdash$ |                    | $\vdash$   | H        |
|  | 147                                    | $\vdash$     | $\vdash$     | <del>                                     </del> | <del>  -</del> | $\vdash$           | $\vdash$ | Н                  | <del> </del>                                     | H        |
|  | 148                                    | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$       | -                  | $\vdash$ | $\vdash$           | $\vdash$   | $\dashv$ |
| $\vdash \vdash$                                  | 149                                    | Н            |              | H  | $\vdash$       | $\vdash$           | $\vdash$ | Н                  |  | Н        |
| <del>                                     </del> | 150                                    | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$           | H        | $\vdash$           | $\vdash$   | Н        |
|  | 100                                    | Ц.,          | Ц.           |  |                | ш                  |          |                    |  | لـــا    |